Biliverdin Reductase A/BLVRA Protein, Human (C-His)

Cat. No.:	HY-P7664
Synonyms:	rHuBLVRA, His; BLVRA; Biliverdin reductase A
Species:	Human
Source:	E. coli
Accession:	P53004 (E6-S294)
Gene ID:	644
Molecular Weight:	Approximately 40.0 kDa

PROPERTIES

AA Sequence	E R K F G V V V V G V G R A G S V R M R D L R N P H P S S A F L N L I G F V S R R E L G S I D G V Q Q I S L E D A L S S Q E V E V A Y I C S E S S S H E D Y I R Q F L N A G K H V L V E Y P M T L S L A A A Q E L W E L A E Q K G K V L H E E H V E L L M E E F A F L K K E V V G K D L L K G S L L F T A G P L E E E R F G F P A F S G I S R L T W L V S L F G E L S L V S A T L E E R K E D Q Y M K M T V C L E T E K K S P L S W I E E K G P G L K R N R Y L S F H F K S G S L E N V P N V G V N K N I F L K D Q N I F V Q K L L G Q F S E K E L A A E K K R I L H C L G L A E E I Q K Y C C S H H H H H H
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filter solution of 20 mM Tris, 150 mM NaCl, 0.05% Brij35, 20%Glycerol, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Biliverdin reductase A (BVR-A) is an enzyme with pleiotropic functions, mainly known for its role in heme metabolism, where it reduces biliverdin to bilirubin, an important antioxidant compound, contributing to protecting cells from oxidative stress [1].

REFERENCES

[1]. Cimini FA, et al. Reduced biliverdin reductase-A levels are associated with early alterations of insulin signaling in obesity. Biochim Biophys Acta Mol Basis Dis. 2019;1865(6):1490-1501.

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